

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051540

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 392 989 B1 (SRINIVASAN BALAJI ET AL) 21 May 2002 (2002-05-21) column 2, line 39 – line 65 column 3, line 14 – line 18 column 4, line 22 – line 25 column 7, line 34 – column 9, line 25 figures 2,5A,5B	1,2,4,5, 7,9
A	US 5 537 468 A (HARTMANN HARRO L) 16 July 1996 (1996-07-16) column 3, line 50 – column 7, line 9	3,6,8
A		1-9

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

15 November 2004

06/12/2004

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6392989	B1	21-05-2002	AU WO	6843101 A 0197436 A2		24-12-2001 20-12-2001
US 5537468	A	16-07-1996	AT CA DE WO EP ES JP JP	148292 T 2121240 A1 59207963 D1 9308666 A1 0608279 A1 2098544 T3 2851432 B2 6510645 T		15-02-1997 29-04-1993 06-03-1997 29-04-1993 03-08-1994 01-05-1997 27-01-1999 24-11-1994